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Calibration Certificate

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SERVICE REQUEST & CALIBRATION REPORT DETAILS (As per agreed with the Customer)			
Calibration Request Dated	06.11.2023	Date of Calibration :	07.11.2023
Calibration Request / Job No.	125 / 125-007	Next Date of Calibration	07.11.2024
Certificate No.	FCS/23/125-007	Certificate Issue Date	08.11.2023

CUSTOMER ADDRESS	ENVIRONMENTAL & INSTRUMENT CONDITIONS
M/s Dipakshi Hospital Udhayan Marg, NTPC Township, C Block, Sector 33, Noida, Uttar Pradesh 201307 INDIA	Temperature (25 ± 15) °C Relative Humidity (50 ± 20) %RH Zerro Error Null Discipline Medical Instrument Condition In Working (Good)

CALIBRATION CERTIFICATE OF		DESCRIPTION OF(EQP) UNIT UNDER CALIBRATION	
Biochemistry Analyzer		Make / Model	Astira
Procedure Followed FCS/MD/117		Range / Size	As Per Instrument
Reference Standard NABL 126		Least Count	As Per Range
Calibration Performed At At Site		Serial No.	23T240PCS00845
		Asset Code / I.D No.	NA
		Location	Lab
		Accuracy/Acceptance	Not Specified

DETAILS OF REFERENCE STANDARDS AND MAJOR EQUIPMENTS USED FOR CALIBRATION

Sr. No	Instrument Details	Asst Code	Certificate No.	Calibrated By	Valid upto
1	RTD Sensor with Indicator	FCS/MD/RTD-01	NKERC/23/1001-001	NKERC	01.08.2024
2	Digital Weighing Machine	FCS/MD/PWB-01	NKERC/23/1001-012	NKERC	01.08.2024
3	Process Calibrator	FCS/MD/PC-01	NKERC/23/1001-011	NKERC	01.08.2024
4	Std. Weight set	FCS/MD/SWB-01	NKERC/23/1001-013	NKERC	01.08.2024
5	Electrical Safety Analyzer	FCS/MD/ESA-01	AT23000007411	ASIAN	02.07.2024

The Standards used for calibration are traceable to National Standards.

CALIBRATION RESULT

PARAMETER	DUC VALUE(μl)	STANDARD VALUE(μl)	ERROR(μl)	Uncertainty± (μl)
Volume	200	200.12	-0.12	5.0
	500	500.25	-0.25	5.0
PARAMETER	DUC VALUE(μl)	STANDARD VALUE(μl)	ERROR(μl)	Uncertainty± (μl)
Aspiration Volume	100	100.54	-0.54	5.0
	200	200.32	-0.32	5.0
PARAMETER	DUC VALUE(mm)	STANDARD VALUE(mm)	ERROR(mm)	Uncertainty± (mm)
Low Cell Optical Path	5	5.15	-0.15	5.0
	10	10.19	-0.19	5.0

Maxima Found at	Standard Wavelength	Tolerance Limit
360nm	360.34nm	(upto 400 nm)±1nm
419nm	418.80nm	(400 upto 600 nm)±3nm
537nm	536.40nm	(400 upto 600 nm)±3nm
640nm	638.30nm	(600 upto 1000 nm)±4nm

PARAMETER	DUC VALUE	STANDARD VALUE	ERROR	Uncertainty
Temperature	25.0	25.007	-0.007	0.95
	30.0	30.013	-0.013	0.95
	35.0	35.020	-0.020	0.95

1. Electrical Safety (Visual Test)			2. Electrical Safety Test			
S.No	TESTS	REMARKS	S.No	PARAMETERS	MEASURE	REMARKS
1	Power Chords, Cable Check	OK	1	Voltage Between Line & Neutral (V in)	236.5V	OK
2	Main Socket Check	OK	2	Voltage Between Line & Earth (V ie)	243.3V	OK
3	Equipment Type (B/BF/CF)	B	3	Voltage Between Neutral & Earth (V en)	2.2V	OK
4	Equipment Class (I/II/III)	I	4	Patient Leakage Current (P L)	0.7μA	OK

B-BODY TYPE, BF-BODY FLOAT TYPE, CF-CARDIAC FLOAT TYPE, I-PROPERLY EARTHED, II-DOUBLE INSULATED, III-WITH EXTRA SAFETY LOW VOLTAGE.

CALIBRATED BY (Calibration Engineer)	APPROVED BY (Authorized Signatory)
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Note :-

- UUC =* Unit Under Calibration*
- Uncertainty of measurement at approximately 95% Confidence Level with coverage factor k=2 , ±20 μm
- The Calibration Result reported are valid at the time of Calibration and under stated conditions of Measurement.
- The Calibration report is not valid without sign of Calibration Services (OPC) PVT. LTD.
- This Calibration Certificate only to the particular Equipment (Instrument) submitted for Calibration.
- The Calibration Certificate Should not be regenerated without the permission of Higher Authority of Factual Calibration Services (OPC) PVT. LTD.
- Calibration Certificate issue for weight & Measure parameters & Mass Balance Volumetric equipment, for scientific Purpose only.

A CALIBRATION LABORATORY

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OUR BRANCHES : GHAZIABAD KATHMANDU LUCKNOW REWARI NOIDA PUNJAB

